*Fig. 2*

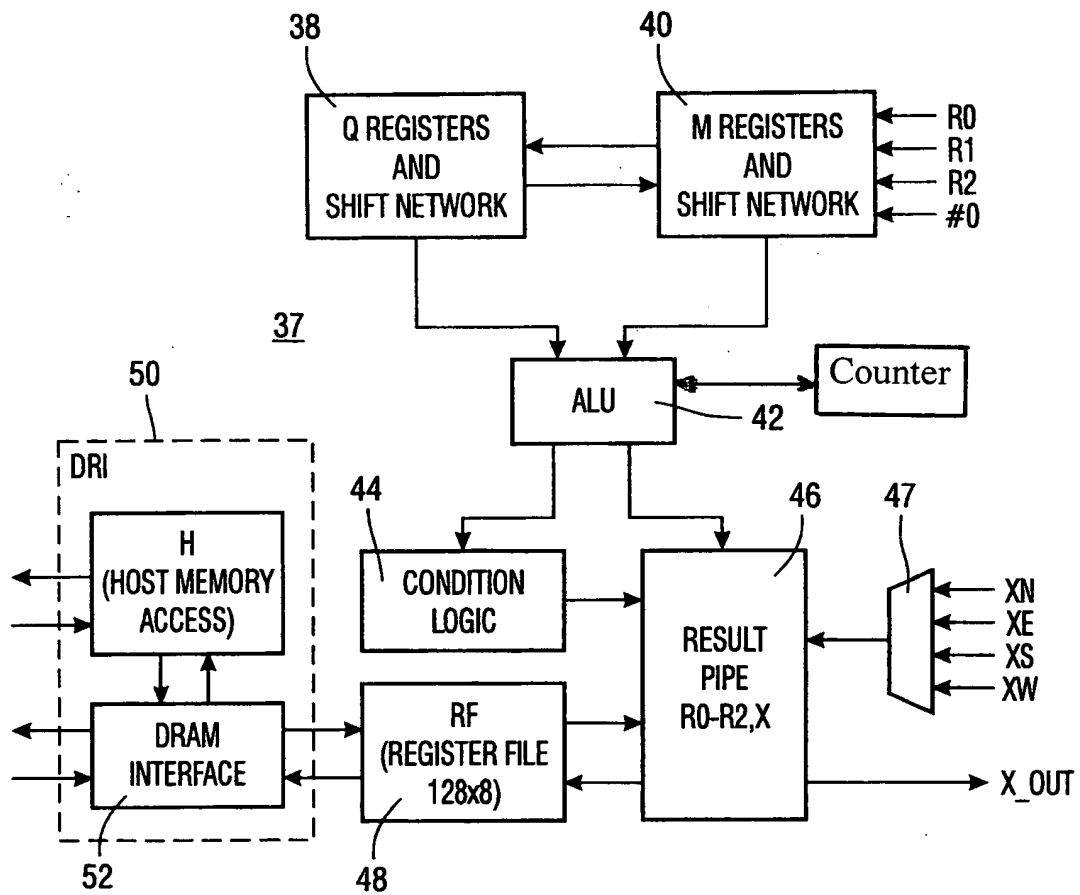


Fig.3

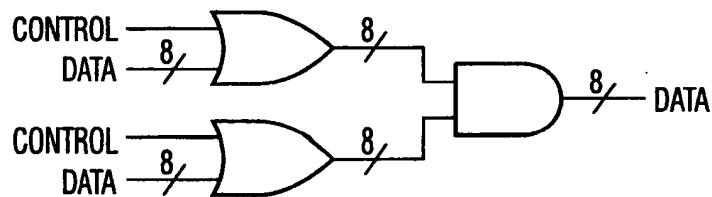
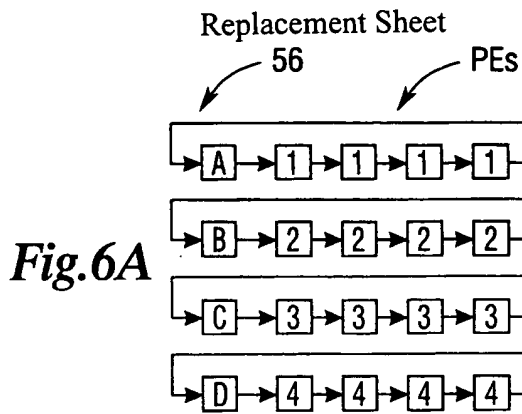


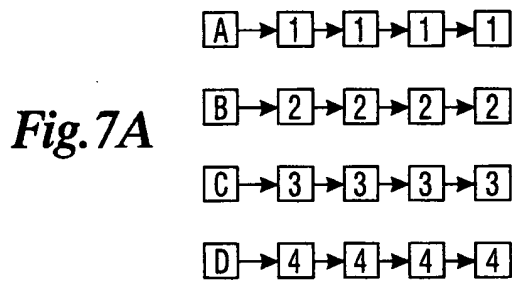
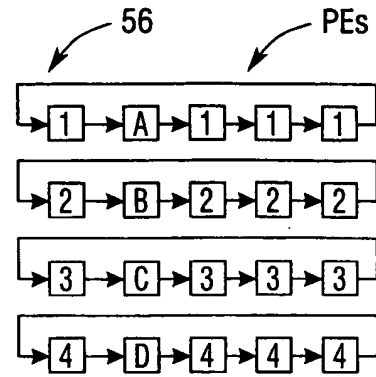
Fig.4



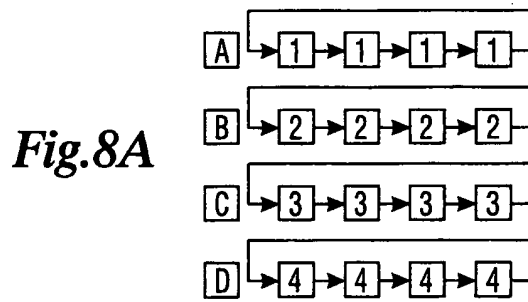
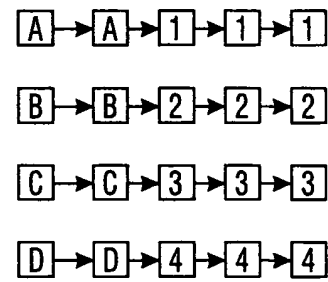
Fig.5



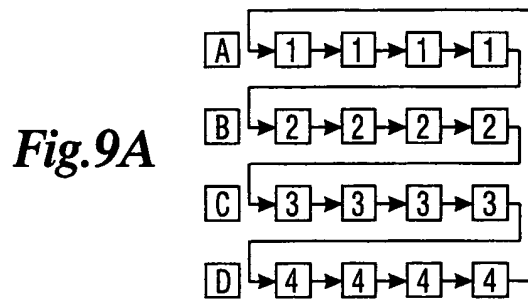
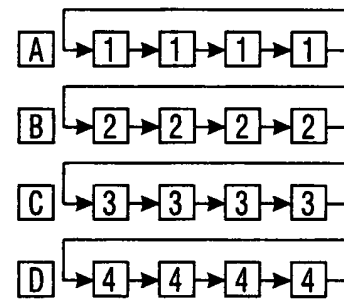
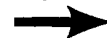
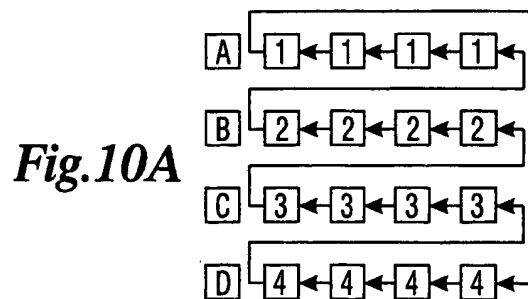
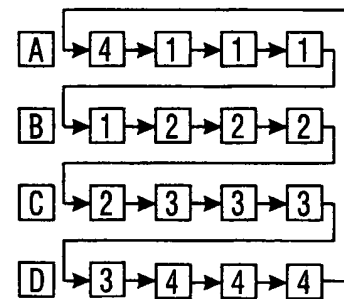
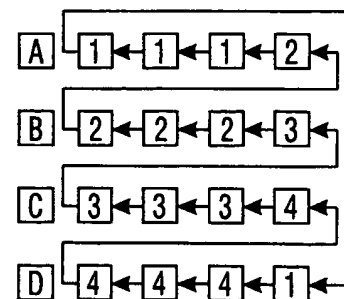
Edge Shift

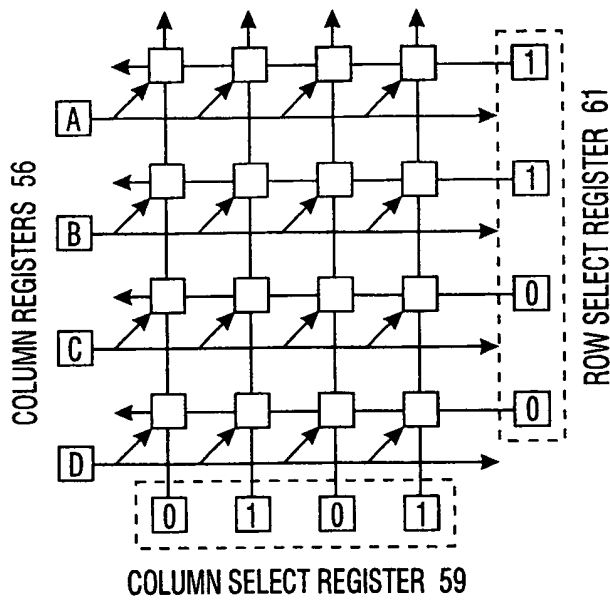
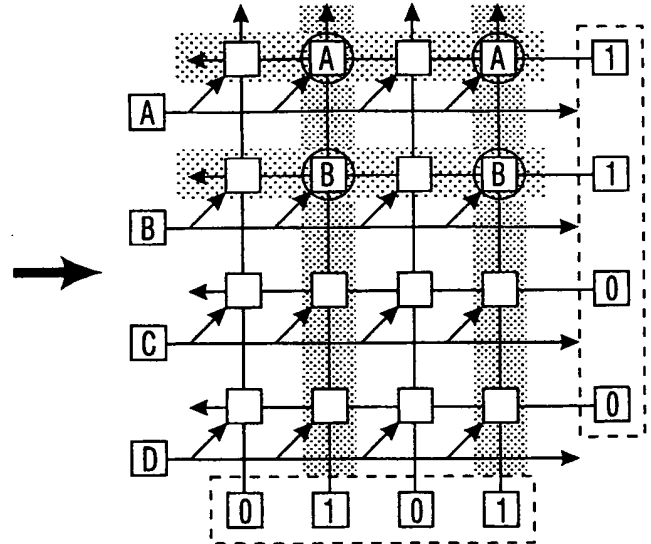
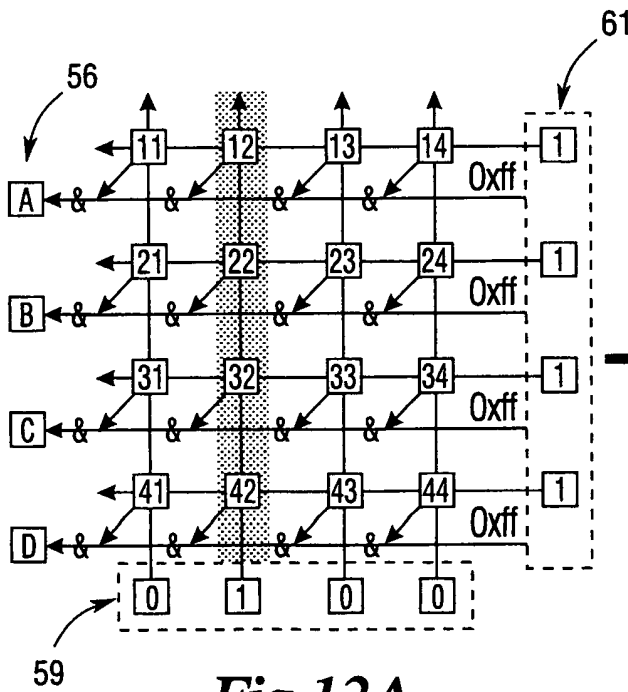
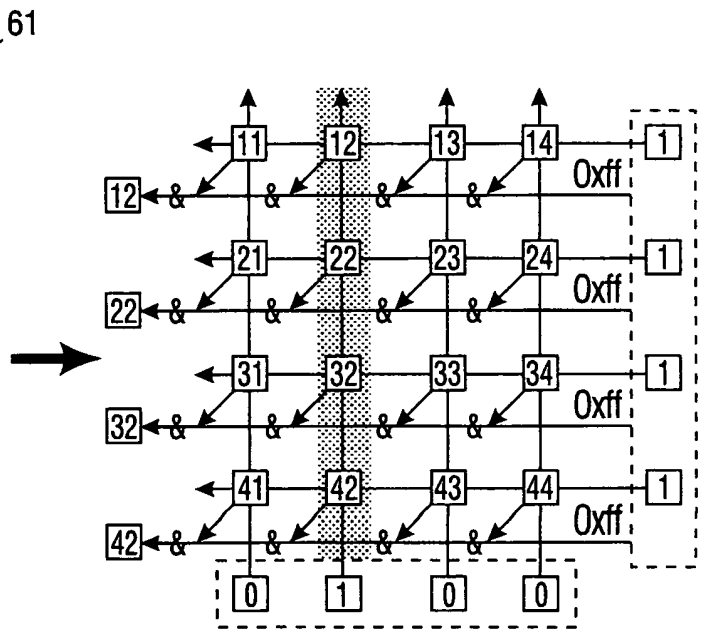


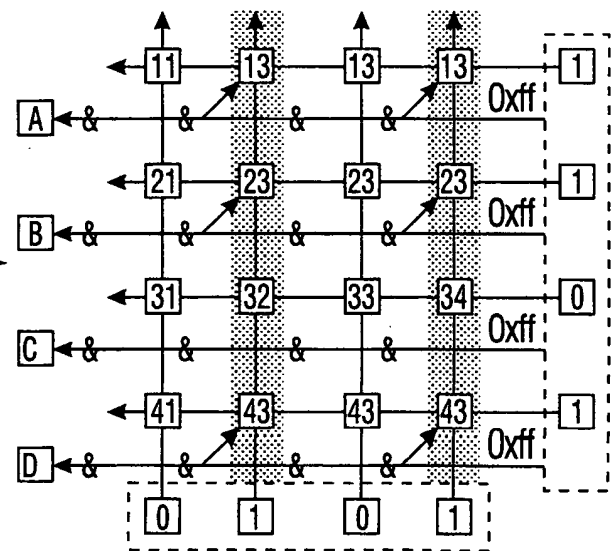
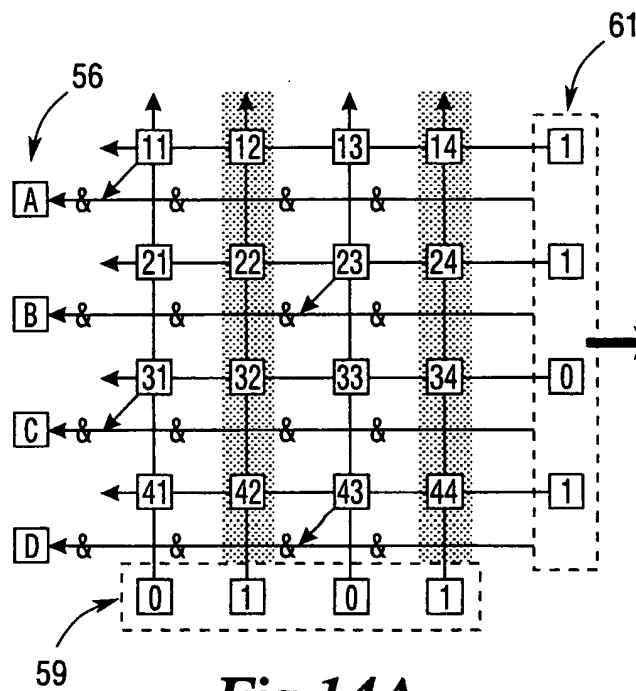
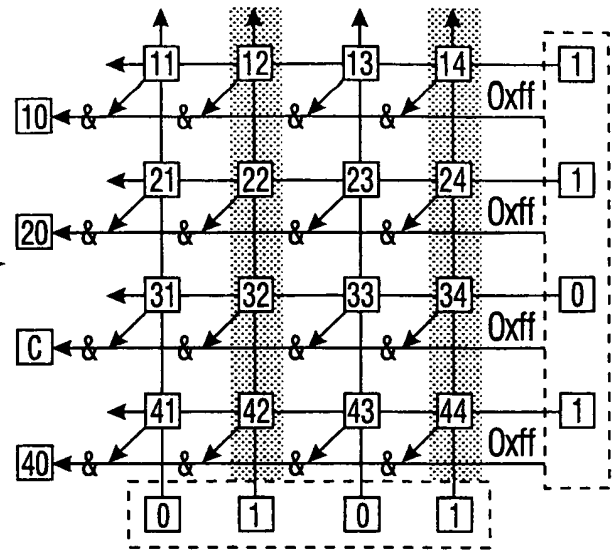
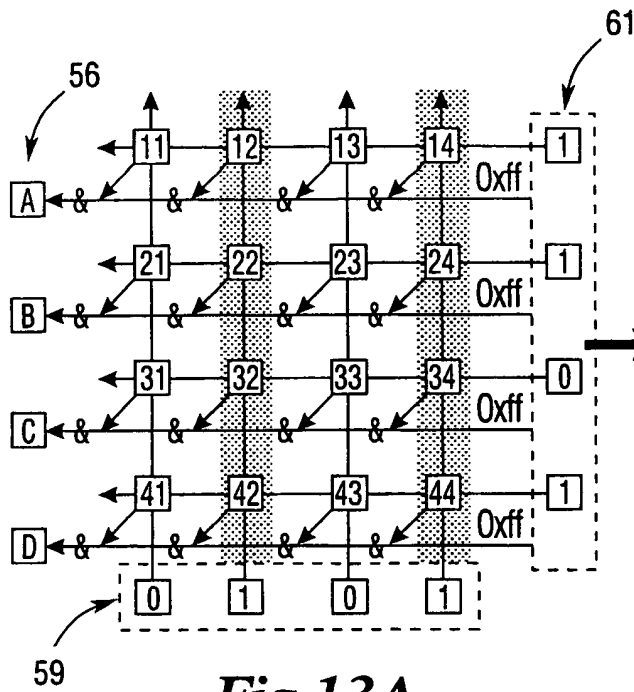
Planar Shift



Wrap Shift

Vector Shift
 $x \leq xw, \text{vector}$ Vector Shift
 $x \leq xe, \text{vector}$ 

*Fig.11A**Fig.11B**Fig.12A**Fig.12B*



	C7	C6	C5	C4	C3	C2	C1	C0
r0	A0	A1	A2	A3	A4	A5	A6	A7
r1	B0							B7
r2	C0							C7
r3	D0							D7
r4	E0							E7
r5	F0							F7
r6	G0							G7
r7	H0	H1	H2	H3	H4	H5	H6	H7

A0	A1	A2	A3	A4	A5	A6	A7									
B7	B0						B6	B7								
C6	C7	C0					C5		C7							
D5		D7	D0				D4			D7						
E4			E7	E0			E3				E7					
F3				F7	F0		F2					F7				
G2					G7	G0	G1							G7		
H1	H2	H3	H4	H5	H6	H7	H0	H1	H2	H3	H4	H5	H6	H7		

Fig.15A

Fig.15B

B7						A7	B7	C7	D7	E7	F7	G7	H7	
	C6					A6	B6	C6					H6	
		D5				A5		C5	D5				H5	
			E4			A4			D4	E4			H4	
				F3		A3				E3	F3		H3	
					G2	A2					F2	G2	H2	
						H1	A1					G1	H1	
							A0	B0	C0	D0	E0	F0	G0	H0

Fig.15D

B7	C7	D7	E7	F7	G7	H7	A7
C6					H6	A6	B6
D5				H5	A5		C5
E4			H4	A4			D4
F3		H3	A3				E3
G2	H2	A2					F2
H1	A1						G1
A0	B0	C0	D0	E0	F0	G0	H0
						H7	
					H6		
				H5			
			H4				
		H3					
	H2						
H1							

Fig.15C

A0	A1	A2	A3	A4	A5	A6	A7
B0							B7
C0							C7
D0							D7
E0							E7
F0							F7
G0							G7
H0	H1	H2	H3	H4	H5	H6	H7

Fig.16A

Diagram illustrating a grid structure (102) with a sub-grid (104). The sub-grid (104) is a 7x7 grid containing labels A0 through H7. The main grid (102) is a larger grid containing labels A0 through H7, with some cells (A0-A2, B0-B1, C0-C1, D0-D7, E0-E7, F0-F7, G0-G7, H0-H7) highlighted or labeled. An arrow points from the left towards the grid.

Fig.16B

E7				A7	B7	C7	D7	E7	F7	G7	H7				
	F6			A6				E6	F6		H6				
		G5		A5					F5	G5	H5				
			H4	A4						G4	H4				
				A3							H3				
				A2	B2						H2	A2			
				A1	B1	C1					H1		B1		
				A0	B0	C0	D0	E0	F0	G0	H0			C0	

Fig.16D

16B

The diagram consists of a grid of cells arranged in two main sections. The top section has columns labeled E7, F7, G7, H7, A7, B7, C7, D7 at the top. Below these are rows labeled F6, G5, H4, A3, B2, C1, D0. The bottom section has columns labeled E0, F0, G0, H0, A0, B0, C0 at the top. Below these are rows labeled H7, H6, H5, H4. Cells containing letters A through H are highlighted with thick borders. An arrow points downwards from above the grid.

E7	F7	G7	H7	A7	B7	C7	D7
F6		H6	A6				E6
G5	H5	A5					F5
H4	A4						G4
A3							H3
B2						H2	A2
C1					H1	A1	B1
D0	E0	F0	G0	H0	A0	B0	C0
			H7				
		H6					
	H5						
H4							

Fig.16C

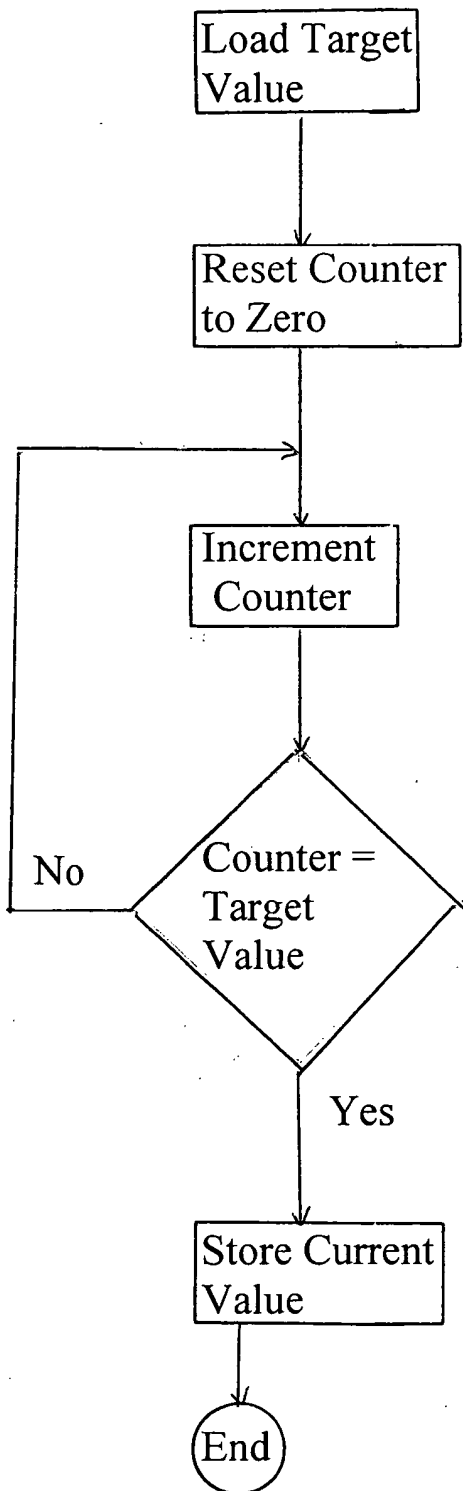


FIG. 17A

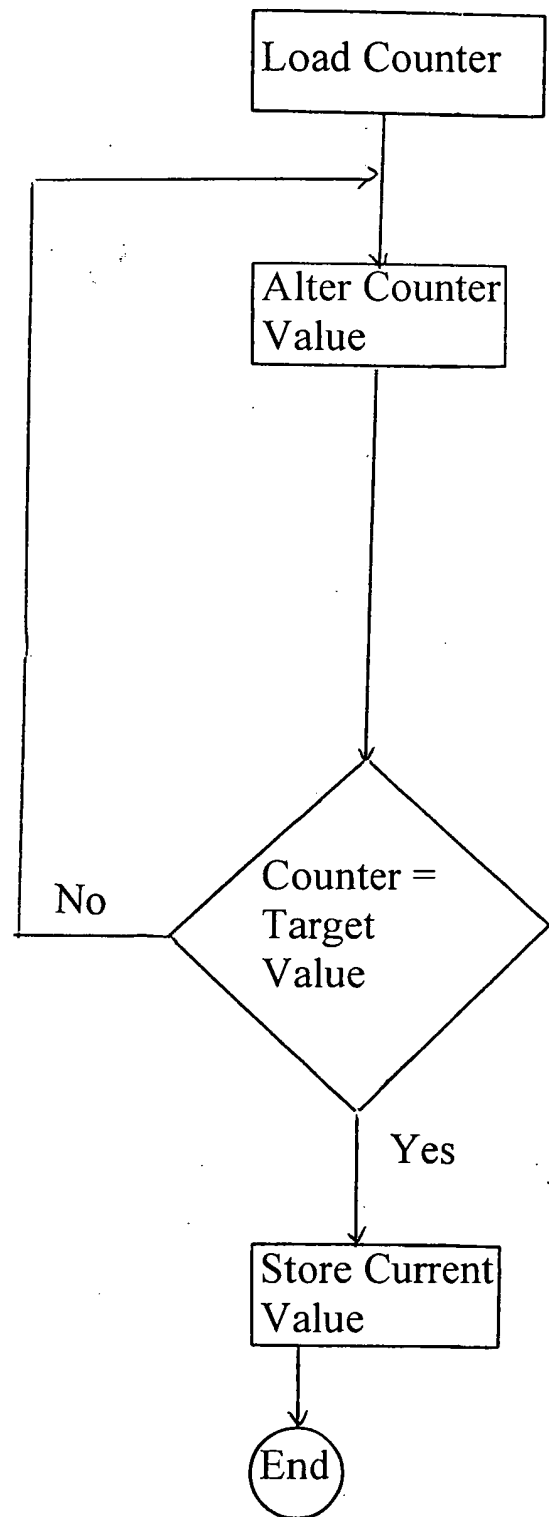


FIG. 17B